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COUNTRY Yugoslavia

SUBJECT Trojka, Pionir, AERO-2, and AERO-2H Planes

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1. The Yugoslav Trojka model airplane is a transitional training pursuit-plane for pilots. It is equipped with a single engine and the maximum speed obtainable is approximately three hundred and twenty kilometers per hour. The wing span is 13.5 meters and the landing gear is retractable. The distance for take-off and landing is comparatively short. The plane is very sturdy and lighter than planes of a similar model produced abroad. It is maneuverable and recovers from spins easily.
2. The Yugoslav Military Air Force is presently equipped with 80 Trojka planes. The body is manufactured in The Ikarus Factory in Zemun, which produces three planes monthly. The engines are manufactured in Rakovica, and the armament is supplied by the Crvena Zastava Factory in Kragujevac.
3. The Yugoslav Pionir model is a dual engine plane with a total of 480 horsepower. The basic characteristic of this model is that the pilot is seated in a reclining position. Although the plane is still in the testing phase, improvements have already been made to the original model, particularly with regard to aerodynamics. While the maximum speed obtained on the original model was 590 kilometers per hour, recent improvements have increased the speed approximately thirty to forty kilometers per hour.
4. The Pionir does not recover easily from a spin, and several prototypes were damaged while testing in spins. The damage, as established by the examining commission, was caused by technical faults in the structure. The latest, modified prototype of the Pionir crashed and burst into flames at Kupinovi in February 1950 while passing in review before the Technical Flying Commission.
5. The Yugoslav AERO-2 is a basic training plane, of which there are two different models, a one-seater and a two-seater. The latter has a dual control. The maximum speed of the AERO-2 which has an 80 horsepower engine, is approximately two hundred kilometers per hour. The wing span is 14.2 meters (somewhat over that of the Trojka), and the take-off distance is 550 meters. The plane has a non-retractable landing gear, and is unarmed. The Yugoslav Military Air Force has at present 40 such AERO-2 planes.

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6. The AMO-2H is identical with the AMO-2 but is equipped to serve as a sea plane, inasmuch as pontoons are attached to the non-retractable landing gear. The Yugoslav Military Air Force has six AMO-2H Planes.

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